

APPENDIX C

CHARACTERIZATION OF SELECTED MONITORING SITES: AZUSA, INDUSTRY HILLS, LOS ANGELES N. MAIN, AND PICO RIVERA

This appendix characterizes and describes the four monitoring locations in greater detail. This detailed information includes for each monitoring site a street map (north=up) superimposed with land-use/land-cover detail illustrating the surrounding neighborhood. On each map, a red triangle identifies the monitoring site, green-hatched areas denote land use, a blue diamond beside a number identifies a point of interest, and yellow stars denote traffic counter locations. The page following the street map contains a key that lists the points of interest identified by number on the prior street map. **Table C-1** lists the location of each traffic counter used in the study.

Observations of field personnel as to activity observed around each monitoring site follow each map.

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Table C-1. Lists the 14 traffic counter locations along with pertinent characteristics

ID	LOCATION	ORIENTATION	ROAD CLASS ¹	TYPICAL DAILY WD VOLUME	MAX. HOURLY VOLUME	MEAS. TYPE	SITE ²	CITY ³
1	West Sierra Madre Avenue East of Todd Avenue	EastWest	UC	4500	1000	Total	A	A
2	Rimgrove Drive South of Wing Lane	NorthSouth	UL	650	200	Total	I	LP
3	Industry Hills Parkway West of Azusa Avenue	EastWest	RL	2000	600	Total	I	LP
4	Foothill Boulevard West of Todd Avenue	EastWest	UA	18000	3000	Total	A	A
5	Azusa Avenue North of Temple Avenue	NorthSouth	UA	23000	3000	Total	I	LP
6	Beverly Boulevard West of San Gabriel River Road	EastWest	UA	18000	2500	Total	P	PR
7	Vignes Street East of Main Street	EastWest	UA	13000	1600	Total	L	LA
8	Main Street West of Azusa Avenue	EastWest	UC	2700	400	Total	I	LP
9	Wing Lane Between Azusa Avenue and Rimgrove Drive	EastWest	UL	2700	375	Total	I	LP
10	Main Street South of Vignes Avenue	NorthSouth	UC	3500	600	Total	L	LA
11	1150 Foothill Boulevard	EastWest	UA	9000	1400	Vehicle Class	A	A
12	800 North Main Street	NorthSouth	UC	4000	600	Vehicle Class	L	LA
13	San Gabriel River Parkway North of Beverly Boulevard	NorthSouth	UA	7000	1400	Vehicle Class	P	PR
14	Azusa Avenue South of Industry Hills Parkway	NorthSouth	UA	25000	2800	Vehicle Class	I	LP

¹ RL – Rec. Local; UA – Urban Arterial; UC – Urban Collector; UL – Urban Local

² A – Azusa; I – Industrial Hills; L – LA N. Main; P – Pico Rivera

³ A – Azusa; LA – Los Angeles; LP – La Puente; PR – Pico Rivera

C-1. AZUSA MONITORING SITE

Figure C-1 displays points of interest around the Azusa monitoring site.

- Sampler located at the corner of Todd Avenue and 10th Street.
- I-210 Freeway runs through areas observed around the sampling site.
- The San Gabriel River runs through the northwest end of the observed areas.
- Running East/West is the major surface street Foothill Boulevard.
- The Santa Fe Dam Recreational area takes up a large portion of the southwest end of the sampling area observation. Gravel pits flank the Dam.
- Azusa Greens Country Club is just northeast of the sampler itself. More gravel pits are on the west side of the golf course.
- Railroad tracks run all around sample site and in the observed areas of Azusa.
- There is a dense residential area just east of the sample site and across the river in the Northwest.

Observations for September 20, 2000, Friday
7:00 a.m.

Driving observation began at the corner of Irwindale and Foothill Boulevard going west. Light to moderate auto traffic with very few trucks and school buses. Nearing the San Gabriel River on route, the Lario San Gabriel River trail is noted (1). This public institution for horse back riding and mountain biking is on the outskirts of section (27) a landfill and storage/transport area.

Across the river, building construction for a senior's residence is nearing completion (2). Approaching section (6) a residential zone, mostly consisting of single-family dwellings, auto traffic remained the same with more trucks. In the residential area there was minimal auto traffic, a few joggers, elderly walking dogs and professional gardening maintenance in the hours of 8:00 and 9:00 a.m.

- After 9:00 a.m. a fleet of HomeGrocer.com trucks were observed.
- Repeated driving route between the hours of 10:00 and 11:00 a.m., higher ratio of trucks to autos on the road.

Observations for September 21, Saturday, compared to the Friday, September 20, 2000:

- 8:00 a.m. to 9:00 a.m. time period, more joggers, fewer autos and no diesel trucks.
- 9:00 a.m. to 10:00 a.m. time period, more joggers, more bicycles, fewer diesel trucks and fewer autos.
- 10:00 a.m. to 11:00 a.m. time period, more bicycles, fewer autos and fewer diesel trucks.

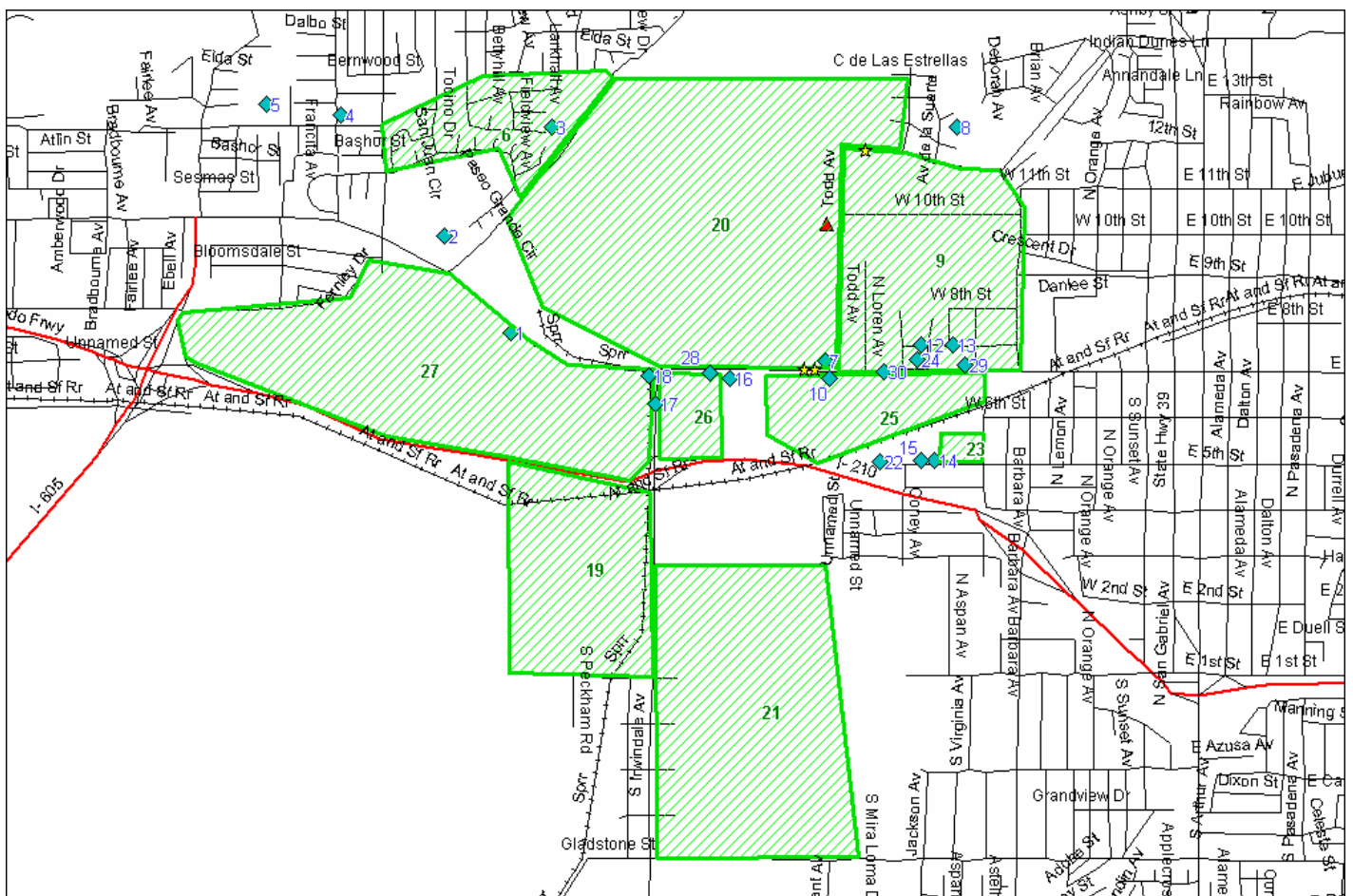


Figure C-1. Azusa monitoring site (the red triangle denotes the location of the monitoring site; blue diamonds are points of interest)

Asuza Points of Interest

1. Public Institution; Lario San Gabriel River Trail; Other; horse and bike trail;
2. Construction; senior residence; Building Construction; appt building for seniors; nearing completion;
3. Public Institution; Duarte Historical Museum; Library/Museum; Museum with small park on property;
4. Public Institution; Royal Oaks park; Other; Park with small playground and tennis courts;
5. Public Institution; Royal Oaks Elementary; School;
6. Residential Zone; residential; Single-Family Homes; Most; area northwest of site;
7. Refueling; Texaco; Full Service Station; Fuel and auto repair; on the corner of Foothill Blvd. and Todd;
8. Public Institution; Azusa Greens Country Club; Other; GOLF COURSE;
9. Residential Zone; residential; Multi-Dwelling Units; Some; mix of appts and single family homes;
10. Food Preparation; Carl's Jr.; Restaurant; fast food; There is a Taco Bell to the east of this Carl's jr.;
11. Vehicle; Laidlaw Bus Co.; Parking Lot/Garage; school bus yard;
12. Industry; Galleher lumber co; Pulp/Paper/Wood; Storage/Transport; lumber;
13. Industry; Tru Wood Products; Pulp/Paper/Wood; Storage/Transport; lumber;
14. Industry; Carter's; Metal; Fabrication;
15. Misc. Business; Homegrocer.com; Other; food distribution center; home food delivery. many trucks;
16. Food Preparation; McDonalds; Restaurant;
17. Refueling; Arco; Retail Re-fueling;
18. Industry; Miller brewing; Food/Ag Products; Processing; Brewery;
19. Industry; Vulcan Materials; Mineral; Processing; Reliance Quarry;
20. Industry; Gen Corp Aerojet; Other; Production; Aero Space company;
21. Industry; Wynn; Petroleum/Gas; Production; production of oil additives for products like STP;
22. Construction; building construction; Building Construction; large industrial park under construction;
23. Food Preparation; El Toro Bravo#4; Restaurant; mexican food;
24. Commercial Zone; none; Industrial Park; light industrial park; no major sources of pollution were noted;
25. Commercial Zone; Foothill Business park; Business Park; business park;
26. Industry; Vulcan Landfill; Mineral; Storage/Transport; class \U\ landfill;
27. Commercial Zone; health valley; Other; warehouse;
28. Misc. Business; Tim's Auto Center; Auto Service/Maintenance; auto service; on the corner of Foothill Blvd. and Georgia Ave;
29. Food Preparation; Corky's Coffee House; Restaurant; small diner; serves breakfast and lunch only;

C-2. INDUSTRY HILLS MONITORING SITE

Figure C-2 displays points of interest around the Industry Hills monitoring site.

The Industry Hills monitor was located next to the Industry Hills Exhibit and Conference Center.

Azusa Avenue is a major surface street to the east of the site. Los Angeles Valley Blvd is another major surface street just south of the site. San Jose Creek is south of the LA Valley Blvd in an industrial area.

Dense residential areas surround all sides of the park area where site is located.

Southern Pacific Railroad south of site. Radio Towers northwest of sample area.

Observations for September 29, 2000, Friday

7:00 a.m. to 8:00 a.m.

- Moderate auto traffic.
- Few diesel trucks.
- Children waiting for school buses.
- City transit buses.
- Joggers and a few bicycles.
- No yard maintenance being performed.
- Golfing range open.

8:00 a.m. to 9:00 a.m.

- Auto traffic more moderate than earlier.
- Diesel trucks.
- Joggers, bicyclists and pedestrians with dogs.
- Yard maintenance starting.
- Golfers at driving range at IHCC. Tennis players also.

9:00 a.m. to 10:00 a.m.

- Auto traffic light.
- Many gravel and cement trucks.
- Auto counter being installed at 9:30 am on Azusa Ave.
- Joggers in IHCC area.
- Yard maintenance in residential areas.
- Transit buses.
- Golfers and senior swim group at IHCC.

10:00 a.m. to 11:00 a.m.

- Auto traffic light.
- Diesel truck traffic light to moderate.
- Joggers.
- Yard maintenance still going on.
- Buses running.
- Golfers are growing in number from earlier.
- Inactivity in the residential area.

Observations for September 30, 2000 Saturday

7:00 a.m. to 8:00 a.m.

- Less autos.
- No diesel trucks.
- No school buses.
- No children on the streets.
- City buses traffic the same.
- More joggers and pedestrians with dogs.

- Less bicyclists.
- No yard maintenance being done.
- Higher number of golfers at range than previous day.

8:00 a.m. to 9:00 a.m.

- Auto traffic less.
- Fewer diesel trucks.
- Same amount of bicyclists, joggers and walkers.
- Horseback riding on bike trail.
- More golfers.
- City buses are the same.

9:00 a.m. to 10:00 a.m.

- More auto traffic going into IHCC.
- More golfers.
- Same amount of joggers.
- Fewer diesel trucks.
- Less yard maintenance being done in residential areas.
- Some yard sales today, none yesterday.
- More swimmers and tennis players today.
- Children on bikes and scooters.

10:00 a.m. to 11:00 a.m.

- More autos.
- Fewer diesel trucks.
- Same amount of buses.
- Fewer joggers.
- Even more golfers.
- Pedestrians in residential areas higher.
- Yard maintenance being done by more residents.

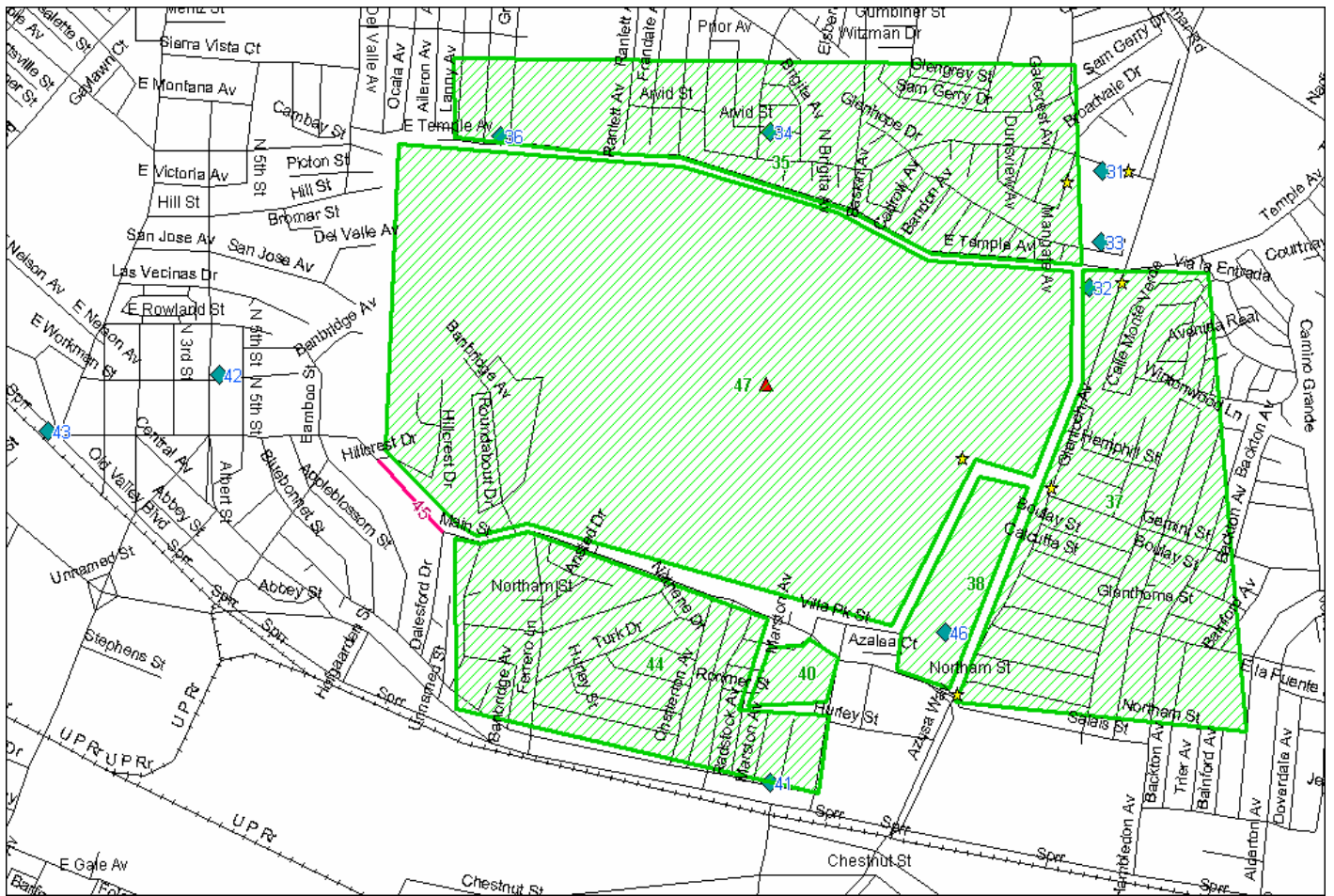


Figure C-2. Industry Hills monitoring site (red triangle is the location of the monitoring site; blue diamonds are points of interest).

Industry Hills Points of Interest

31. Food Preparation; tasty choice; Restaurant; on the corner of Asusa Ave and Wing Lane;
32. Refueling; Arco; Retail Re-fueling; corner of Azusa Ave. and Temple Blvd.;
33. Public Institution; St. Martha's Church; School; Church and school;
34. Public Institution; Wing Lane Elementary; School;
35. Residential Zone; none; Single-Family Homes; Some;
36. Public Institution; Workman High School; School; High School;
37. Residential Zone; Residential; Single-Family Homes; Some;
38. Commercial Zone; La Puente Village; Shopping; small strip mall; Small strip mall including a Donut Shop, a Pizza parlor, a Mexican fast food restaurant;
40. Public Institution; Hurley Elementary; School;
41. Misc. Business; Pj Bonifacio Motor Works; Auto Service/Maintenance; Auto engine repair;
42. Public Institution; Workman Elementary; School;
43. Food Preparation; JB Burgers; Restaurant;
44. Residential Zone; residential; Other; Some; mix of Apts. and homes;
45. Commercial Zone; commercial area; Shopping; Little strip of retail stores; On main St. at the end of the mapped route;
46. Misc. Business; AAmco; Auto Service/Maintenance; Transmission service and repair;

47. Public Institution; Industry Hills Conference Center; Other; Large recreational Area;

C-3. LOS ANGELES N. MAIN MONITORING SITE

Figure C-3 displays points of interest around the Los Angeles N. Main monitoring site.

- The Los Angeles River runs North/South to the east of the sample site.
- Amtrak line follows along the river and circles the sampling site.
- Just north is the recreational area Elysian Park.
- Dodger Stadium is just below the park, northwest of the site.
- I-5 runs north/south
- 101 runs west/east
- 110 runs southwest/northeast
- North Main Street a major surface street goes right past sample site.
- Southwest area is a dense mixed area of home and restaurants.
- South of site is the LA County Central Jail.

Observations for October 13, 2000

7:00 a.m. to 8:00 a.m.

- Auto traffic heavy on 110 Freeway.
- Moderate traffic on surface streets in area of the Dodgers Stadium.
- One Amtrak and Metro Link train.
- Very few trucks in the area.
- No city buses running due to city strike.
- Several tour buses in the residential area of china town.
- Foot traffic high.
- School buses running.

8:00 a.m. to 9:00 a.m.

- Traffic heavy on 110 freeway.
- Moderate traffic on surface streets.
- Light to moderate diesel trucks.
- One Metro link train.
- Pedestrian traffic high.
- School buses still running.
- Several helicopters in the area.

9:00 a.m. to 10:00 a.m.

- Auto traffic moderate.
- Diesel trucks traffic moderate.
- Metro link train.
- School buses still running.
- Several UPS trucks on Main Street.

10:00 a.m. to 11:00 a.m.

- Auto traffic light to moderate.
- Diesel trucks traffic moderate.

Observations for October 14, 2000

7:00 a.m. to 8:00 a.m.

- Auto traffic on 110 Freeway “free flowing”.
- Auto traffic on surface streets considerably less.
- No Metro link trains
- Heard an Amtrak train horn.
- Large group of L.A.P.D. joggers.
- Fewer pedestrians in same area as on previous day.
- A few tour buses.

- No school buses.

8:00 a.m. to 9:00 a.m.

- Lower auto and diesel truck traffic in area.
- Fewer pedestrians.
- No helicopter traffic.
- Heard one train bell.
- Less school buses.

9:00 a.m. to 10:00 a.m.

Fewer autos traffic.

Fewer diesel trucks.

No Metro Links trains.

UPS truck traffic the same.

Less school buses.

10:00 a.m. to 11:00 a.m.

Less autos.

Fewer diesel trucks.

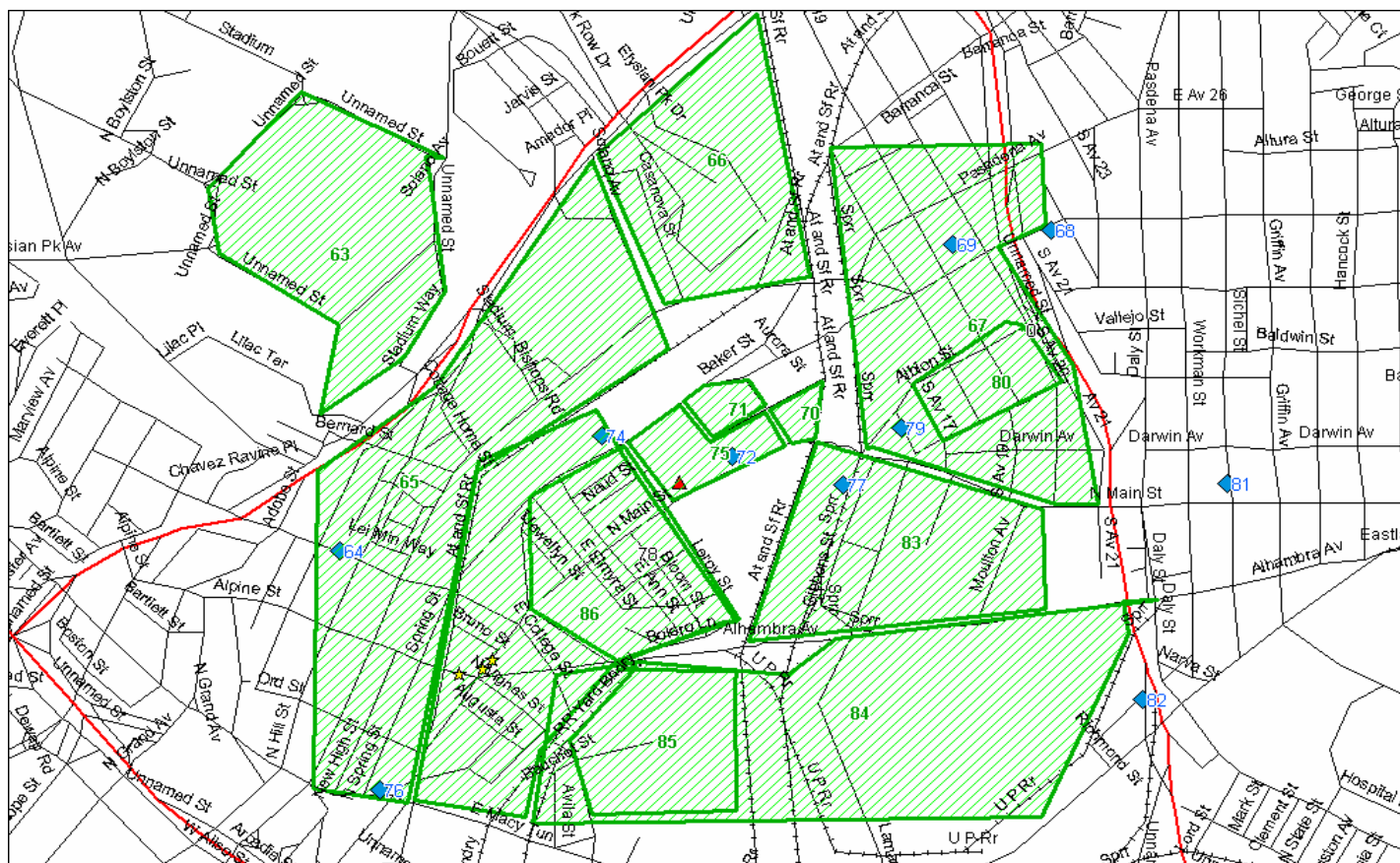


Figure C-3. Los Angeles N. Main monitoring site (red triangle is the monitoring site; blue diamonds are points of interest).

Los Angeles N. Main Points of Interest

- 63. Dodger Stadium;Public Institution;Other;Baseball stadium;
- 64. 76 gas station;Refueling;Retail Re-fueling;

65. China Town;Other;ethnic community area;area consisting of mixture of homes, apts., small businesses, many restaurants;
66. Elysian park;Public Institution;Other;park;
67. none;Residential Zone;Other;Some;mixed area;
68. Thrifty Gas;Refueling;Retail Re-fueling;
69. 76 gas;Refueling;Retail Re-fueling;
70. none;Industry;Other;Other;area of warehouses for seafood;
71. Stadco Fab Ship;Industry;Metal;Fabrication;
72. West America;Industry;Rubber;Fabrication;
74. McKenna Boiler Works;Industry;Metal;Fabrication;
75. DWP Main center;Industry;Electronics;Processing;
76. 76 gas;Refueling;Retail Re-fueling;
77. Transit Mixed Concrete;Industry;Mineral;Processing;
78. residential;Residential Zone;Multi-Dwelling Units;None;low income housing project;
79. Atlas Carpet Mills;Industry;Other;Fabrication;carpet fabrication;
80. residential;Residential Zone;Single-Family Homes;Some;
81. C&J Gas;Refueling;Full Service Station;Hours posted are for the service area;
82. Chevron;Refueling;Retail Re-fueling;
83. none;Industry;Other;N/A;mixed area;mixture of warehouses and light industry;
84. Amtrak train;Vehicle;Railroad;
85. LA County Jail;Public Institution;Other;none;Other;Groundcover;
86. none;Other;Single-Family Homes;Most;Little homes;none;mixed area;mixture of light industry, warehouses, fast food restaurants, auto repair shops and residential

C-4. PICO RIVERA MONITORING CITE

Figure C-4 displays points of interest around the Pico Rivera monitoring site.

- Pico Rivera site is near the San Gabriel River Parkway.
- Hwy 605 runs northeast/southwest on the East Side of site.
- San Gabriel River parallels Hwy -605 on West Side of site.
- Beverly Blvd is a major surface street south of site running southwest/southeast direction.
- Residential area just south of site between river and Hwy -605.
- Golf course across river, north of site.
- North of golf course is a wildlife sanctuary and Whittier Narrows (spillway).
- USMC reserve training center just northeast of site; divided by the Hwy -605.
- Railroad runs northeast heading south away from site.

Observations for October 6, 2000, Friday

7:00 a.m. to 8:00 a.m.

- Auto traffic on Hwy -605 light to moderate.
- Auto traffic coming off Hwy -605, Rose Hills Road onto San Gabriel River Road is moderate.
- School busses and diesel trucks.
- Light auto traffic in residential area.
- Today is trash collection day.
- Children waiting for school buses.
- Joggers and golfers.
- Cars at Rose Hills.

8:00 a.m. to 9:00 a.m.

- Auto traffic on Hwy -605 jammed south bound.

- Light to moderate auto traffic north bound on Hwy 605.
- Moderate amount of diesel trucks in area.
- Some cars at Rose Hills.

9:00 a.m. to 10:00 a.m.

- Auto traffic moderate on Hwy -605.
- Moderate diesel trucks.
- Growing number of golfers.
- Inactivity in residential area.
- A few visitors at the cemetery with four grave sits being dug.

10:00 a.m. to 11:00 a.m.

- Auto traffic on Hwy -605 light to moderate.
- Professional yard work being done in residential area.
- Trash collection trucks working in residential area.
- Moderate diesel truck traffic.
- Large funeral service with Fire Department vehicles in attendance.
- More golfers than previous 2 hours.
- Low activity in residential areas.

Observations for October 7, 2000, Saturday

7:00 a.m. to 8:00 a.m.

- Auto traffic on Hwy -605 much less.
- Fewer autos exiting at San Gabriel River Road.
- Fewer diesel trucks in area.
- No children or busses.
- Higher number of golfers at this time than yesterday.
- Many residents walking and jogging.
- Road counter on San Gabriel River Road (looked awkward).

8:00 a.m. to 9:00 a.m.

- Southbound auto traffic less but northbound jammed due to lane closure for road work, just passed Rose Hills Road exit.
- Some diesel trucks in area but less than on Friday.
- Some yard work being done in residential areas.
- Many more visitors to cemetery than at this same time yesterday.
- Golf course filling up.
- Several yard sales in residential areas, none on Friday.

9:00 a.m. to 10:00 a.m.

- Road work on Hwy -605 north bound complete.
- North bound traffic flowing at moderate speed with a lighter than Friday volume.
- South bound traffic flowing at maximum speed with less volume than this time period yesterday.
- Fewer diesel trucks than yesterday.
- More visitors at cemetery.
- Higher number of golfers at this time than yesterday.

10:00 a.m. to 11:00 a.m.

- Auto traffic on Hwy -605 is less than at this same time yesterday.
- More residential yard maintenance being done.
- Diesel traffic less.
- Golf course parking lot has more cars.
- Many more visitors to Rose Hills Cemetery.

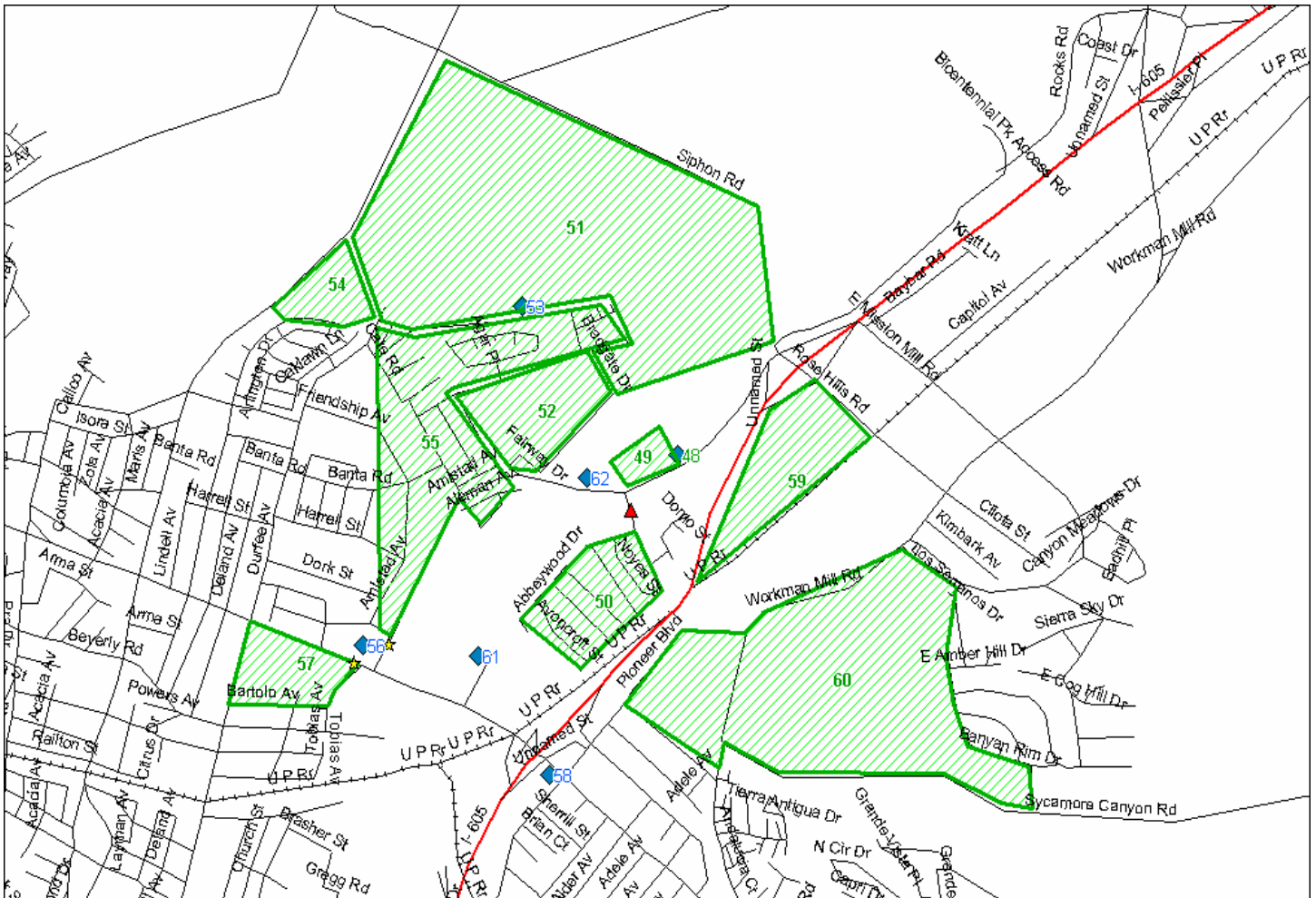


Figure C-4. Pico Rivera monitoring site (the red triangle is the location of the monitoring site, blue diamonds are points of interest)

Pico Rivera Points of Interest

- 48. Public Institution; USMC Reserve Base; Other; Military facility
- 49. Commercial Zone; San Gabriel Parkway Business Center; Business Park; Small business park to the south of the USMC reserve facility
- 50. Residential Zone; Residential; Single-Family Homes; Some
- 51. Public Institution; Pico Rivera River Ridge Golf Course; Other; Golf Course
- 52. Public Institution; Eugene A. Obregon elementary school; School; school
- 53. Vehicle; Bekin Van Lines; Parking Lot/Garage; parking lot for Bekin Van Line trailers
- 54. Public Institution; Streamland Park; Other; Park
- 55. Residential Zone; Residential; Single-Family Homes; Some
- 56. Vehicle; County of LA road maintenance yard; Parking Lot/Garage; parking lot for county vehicles
- 57. Public Institution; Pico Park; Other; park
- 58. Refueling; 76 gas station; Retail Re-fueling;
- 59. Misc. Business; CAT; Auto Service/Maintenance; truck sales and service
- 60. Other; Rose Hills Memorial Cemetary;

61. Misc. Business; Yellow freight trucking company; Shipping/Receiving; Yellow freight
distribution center
Vehicle; Street sweepers; Parking Lot/Garage; street sweepers